



SEQUENCE LISTING

<110> Rabbani, Elazar  
Stavrianopoulos, Jannis G.  
Donegan, James J.  
Liu, Dakai  
Kelker, Norman E.  
Engelhardt, Dean L.

<120> NOVEL PROPERTY EFFECTING AND/OR PROPERTY EXHIBITING  
COMPOSITIONS FOR THERAPEUTIC AND DIAGNOSTIC USE

<130> ENG-53(D3).SEQUENCE.080599

<140> 08/978,536

<141> 1997-11-25

<150> 08/574,443

<151> 1995-12-15

<160> 51

<170> PatentIn Ver. 2.0

<210> 1

<211> 20

<212> PRT

<213> Influenza virus

<220>

<223> Description of Artificial Sequence:peptide

<400> 1

Gly Phe Phe Gly Ala Ile Ala Gly Phe Leu Glu Gly Gly Trp Glu Gly  
1 5 10 15

Met Ile Ala Gly  
20

<210> 2

<211> 20

<212> DNA

<213> Bacteriophage T7

<220>

<223> Description of Artificial Sequence:peptide

20

<400> 2  
tggtctcttaa gggctctactc

<210> 3  
<211> 15  
<212> DNA  
<213> Simian virus 40

<220>  
<223> Description of Artificial Sequence:peptide

15

<400> 3  
ctctaaaggta aatat

<210> 4  
<211> 16  
<212> DNA  
<213> Simian virus 40

<220>  
<223> Description of Artificial Sequence:peptide

16

<400> 4  
tgtatttttag attcaa

<210> 5  
<211> 19  
<212> DNA  
<213> Simian virus 40

<220>  
<223> Description of Artificial Sequence:peptide

19

<400> 5  
tggtctcttaa ggtaaatat

<210> 6  
<211> 19  
<212> DNA  
<213> Simian virus 40

<220>  
<223> Description of Artificial Sequence:peptide

19

<400> 6  
tgtatttttag ggtctactc

<210> 7

<211> 19

<212> RNA

<213> Bacteriophage T7

<220>

<223> Description of Artificial Sequence:peptide

<400> 7

ugucucuaa gguaaaauau

19

<210> 8

<211> 19

<212> RNA

<213> Bacteriophage T7

<220>

<223> Description of Artificial Sequence:peptide

<400> 8

uguaauuuag ggucuacuc

19

<210> 9

<211> 20

<212> RNA

<213> Bacteriophage T7

<220>

<223> Description of Artificial Sequence:peptide

<400> 9

ugucucuaa gggucuacuc

20

<210> 10

<211> 49

<212> DNA

<213> Bacteriophage T7

<220>

<223> Description of Artificial Sequence:peptide

<400> 10

ggaattcgtc tcgagctctg atcaccacca tggacacgat taacatcgc

49

<210> 11

<211> 55

<212> DNA

<213> Bacteriophage T7

<220>  
<223> Description of Artificial Sequence:peptide

<400> 11  
gactagttgg tctcgtctct ttttggagg agtgtcgttc ttagcgatgt taatc 55

<210> 12  
<211> 46  
<212> DNA  
<213> Bacteriophage T7

<220>  
<223> Description of Artificial Sequence:peptide

<400> 12  
ggaattcgtc tcggagaaag gtaaaattct ctgacatcga actggc 46

<210> 13  
<211> 33  
<212> DNA  
<213> Bacteriophage T7

<220>  
<223> Description of Artificial Sequence:peptide

<400> 13  
gactagtggt ctccccttag agagcatgtc agc 33

<210> 14  
<211> 33  
<212> DNA  
<213> Bacteriophage T7

<220>  
<223> Description of Artificial Sequence:peptide

<400> 14  
ggaattcggg ctccgggtcta ctccgtggcg agg 33

<210> 15  
<211> 27  
<212> DNA  
<213> Bacteriophage T7

<220>  
<223> Description of Artificial Sequence:peptide

<400> 15

gactagtcgt tacgcgaacg caaagtc

<210> 16

<211> 36

<212> DNA

<213> Bacteriophage T7

<220>

<223> Description of Artificial Sequence:peptide

36

<400> 16

ggaattcgtc tctaaggtaa atataaaatt tttaag

<210> 17

<211> 40

<212> DNA

<213> Bacteriophage T7

<220>

<223> Description of Artificial Sequence:peptide

40

<400> 17

gactagtcgt ctctgaccct aaaatacaca acaattaga

<210> 18

<211> 92

<212> DNA

<213> Bacteriophage T7

<220>

<223> Description of Artificial Sequence:peptide

<400> 18

ggaattcgtc tcgagctctg atcaccacca tggacacgat taacatcgct aagaacgaca 60  
ctctctcaaaa aaagagacga gaccaactag tc 92

<210> 19

<211> 92

<212> DNA

<213> Bacteriophage T7

<400> 19

gactagttgg gctcgctctct tttttggagg aggggcgttc ttagcgatgt taatcgtgtc 60  
tatggtggta tgcagagctc gagacgaatt cc 92

<210> 20

<211> 73

<212> DNA

<210> Artificial Sequence

<220>

<223> Description of Artificial Sequence:OLIGO

<400> 20  
ggaattcgctc gcgagctctg atcaccacca tggacacgat taacatcgct aagaacgaca 60  
ctctctcaaaa aaa 73

<210> 21

<211> 77

<212> DNA

<213> Bacteriophage T7

<220>

<223> Description of Artificial Sequence:peptide

<400> 21  
tctctttttt ggaggagtgt cgttcttagc gatgttaatc gtgtccatgg tggatatgcag 60  
agctcgagac gaattcc 77

<210> 22

<211> 13

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial SequenceOLIGO

<400> 22

ggaattcgctc tcg

13

<210> 23

<211> 33

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:OLIGO

<400> 23

gagaaaggta aaattctctg acatcgaact ggc

33

<210> 24

<211> 17

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:OLIGO

<400> 24

17

ctttaagcag agcctct

<210> 25

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: OLIGO

<400> 25

29

tttcatttta agagactgta gcttgaccg

<210> 26

<211> 106

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:OLGIO

<400> 26

ggaattcgtc tcgagctctg atcaccacca tggacacgat taacatcgct aagaacgaca 60  
ctctctcaaaa aaagagaaaag gtaaaattct ctgacatcga actggc 106

<210> 27

<211> 106

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:OLIGO

<400> 27

gttagttcga tgtcagagaa ttttaccttt ctcttttttg gaggagtgtc gttcttagcg 60  
atgttaatcg tgtccatggt ggtagtcaga gctcgagacg aattcc 106

<210> 28

<211> 50

<212> DNA

<213> Bacteriophage T7

<220>

<223> Description of Artificial Sequence:peptide

<400> 28 50  
atggacacga ttaacatcgc taagaacgac ttctctgaca tcgaactggc

<210> 29  
<211> 50  
<212> DNA  
<213> Bacteriophage T7

<400> 29 50  
gccagttcga tgtcagagaa gtcgttctta gcgatgttaa tcgtgtccat

<210> 30  
<211> 77  
<212> DNA  
<213> Human immunodeficiency virus

<220>  
<223> Description of Artificial Sequence:peptide

<400> 30 60  
atggacacga ttaacatcgc taagaacgac actcctccaa aaaagagaaa ggtaaaattc 60  
tctgacatcg aactggc 77

<210> 31  
<211> 77  
<212> DNA  
<213> Bacteriophage T7

<400> 31 60  
gccagttcga tgtcagagaa ttttaccttt ctcttttttg gaggagtgtc gttcttagcg 60  
atgttaatcg tgtccat 77

<210> 32  
<211> 69  
<212> DNA  
<213> Human immunodeficiency virus

<220>  
<223> Description of Artificial Sequence:peptide

<400> 32 60  
gatcattaga ccagatctga gcctgggagc tctctggcta actagggaac ccactgctta 60  
aggtccaag 69

<210> 33  
<211> 69  
<212> DNA



<213> Human immunodeficiency virus

<220>

<223> Description of Artificial Sequence:peptide

<400> 33

gattcttgag gcttaagcag tgggttcctt agttagccag agagctccca ggctcagatc 60  
tggtttaat 69

<210> 34

<211> 61

<212> DNA

<213> Human immunodeficiency virus

<220>

<223> Description of Artificial Sequence:peptide

<400> 34

gatacctta ggctctccta tggcaggaag aagcggagac agcgacgaag acctcctcaa 60  
t 61

<210> 35

<211> 61

<212> DNA

<213> Human immunodeficiency virus

<220>

<223> Description of Artificial Sequence:peptide

<400> 35

gattcttgag gaggtcttcg tcgctgtctc cgcttcttcc tgccatagga gaggcctaagg 60  
t 61

<210> 36

<211> 62

<212> DNA

<213> Human immunodeficiency virus

<220>

<223> Description of Artificial Sequence:peptide

<400> 36

gattcatagt aatagagtta ggcagggata ctcaccatta tcgtttcaga cccacctccc 60  
ag 62

<210> 37

<211> 62

<212> DNA

<213> Bacteriophage T7

<220>

<223> Description of Artificial Sequence:peptide

<400> 27

gattctggga ggtgggtctg aaacgataat ggtgagtatc cctgcctaac tctattcact 60  
at 62

<210> 38

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:oligo

<400> 38

30

aatctagagc taacaaagcc cgaaaggaag

<210> 39

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:oligo

<400> 39

28

ttctgagat atagttcctc ctttcagc

<210> 40

<211> 70

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:oligo

<400> 40

ttagccatg gcttaaggat ccgtacgtcc ggagctagcg ggcccatcga tactagttaa 60  
atgagatct 70

<210> 41

<211> 70

<212> DNA

<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:oligo

<400> 41  
ctagagatct gcatttaact agtatcgatg ggcccgctag ctccggacgt acggatcctt 60  
aaatgagag 70

<210> 42  
<211> 29  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:oligo

<400> 42  
catgaaatta attcgactca ctatacgga

29

<210> 43  
<211> 29  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:oligo

<400> 43  
tttaattaag ctgagtata tgcctctag

29

<210> 44  
<211> 72  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:oligo

<400> 44  
gacccggatt gaggtttaag cagtgggttc cctagtttagc cagagagctc ccaggctcag 60  
atctggtcta at 72

<210> 45  
<211> 72  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:oligo

<400> 45  
ccggattaga ccagatctga gcctgggagc tctctggcta actagggaac ccactgctta 60  
agctcaatc cg 72

<210> 46  
<211> 66  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:oligo

<400> 46  
gacccggacc ttgaggaggt cttcgctcgt gtctccgctt cttcctgcc a taggagagcc 60  
taaggt 66

<210> 47  
<211> 66  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:oligo

<400> 47  
ccggacetta ggctctccta tggcaggaag aagcggagac agcgacgaag acctcctcaa 60  
ggtcgg 66

<210> 48  
<211> 65  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:oligo

<400> 48  
gacccggatg ggaggtgggt ctgaaacgat aatgggtgagt atccctgcct aactctattc 60  
actat 65

<210> 49  
<211> 65  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:oligo

<400> 49  
ccggatagtg aatagagtta ggcagggata ctcaccatta tcgtttcaga cccacctccc 60  
atcgg 65

<210> 50  
<211> 67  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:oligo

<400> 50  
jctcagcatg cctgcaggtc gactctagac ccgggtaccg agctcgccct atagtgagtc 60  
gtattat 67

<210> 51  
<211> 67  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:peptide

<400> 51  
ccggataata cgactcacta tagggcgagc tcgggtaccg ggtctagagt cgacctgcag 60  
gcatgct 67